

Project: SR-520 - Redmond - West Lake Sammamish Parkway to SR 202 Additional Lanes

Project Length: 1.4 miles, from milepost 11.4 to milepost 12.8.

What does this project do?

Constructs one HOV lane and one auxiliary lane in each direction between West Lake Sammamish Parkway and SR 202, and completes the interchanges at SR 202 and West Lake Sammamish Parkway. Improves safety and relieves congestion on SR 520, SR 202 and Avondale Road. Due to limited funding, the project will be constructed in the following stages:

Stage 1 will construct improvements to the interchange at SR 202 (East Lake Sammamish Boulevard), including a fly-over ramp from westbound SR 202 to westbound SR 520 and widening SR 520 to eliminate the current 4 lane to 2 lane bottleneck as SR 520 transitions to Avondale Road. Referendum 51 funding will allow completion of this stage of the project.

Stage 2 will complete the project by constructing improvements to the West Lake Sammamish Parkway interchange and adding the HOV and auxiliary lanes between West Lake Sammamish Parkway and State Route 202.

What benefits will it provide?

WSDOT, through computer modeling, estimates that if this project is not built, traffic congestion will average 7 hours a day by 2010 and 8 hours a day by 2020. By comparison, if the project were built, we would see about 5 hours a day of congestion in 2010 and 7 hours a day in 2020. Average afternoon travel speeds in 2010 and 2020 would be 47 and 42 mph, respectively, if the project is not built. But speeds would be 50 and 46 in 2010 and 2020, respectively, if the project is constructed.

This project will also have significant benefits to SR 202 by removing the bottleneck at the junction of SR 520 and SR 202. The direct connection from SR 202 to WB 520 will provide significant travel time benefits to travelers on SR 202, which are not captured in this analysis.

Performance Measures	Today	2010		2020	
		No-Build	Build	No-Build	Build
Congested Hours per Day	5	7	5	8	7
AM Peak Period Average Travel Speed	45	41	45	38	40
PM Peak Period Average Travel Speed	50	47	50	42	46
AM Peak Period Average Travel Time	1.9	2.1	1.9	2.3	2.1
PM Peak Period Average Travel Time	1.7	1.8	1.7	2.0	1.9
Daily Delay (vehicle hours per mile)	80	148	99	242	199